to Eastport, Me. A maximum wind velocity of 64 miles an hour was registered at New York, N. Y., and 56 miles at Block Island, R. I., Atlantic City, N. J., and Cape

Henry, Va.

Another severe storm moved eastward over the Lake region during the 31st attended by gales throughout the Lake region and along portions of the Middle Atlantic and North Atlantic coasts. The highest velocity reported was 80 miles an hour from the southwest at Buffalo, N. Y. Ample warnings were issued in connection with this storm.

Cold-wave warnings.—No cold-wave warnings were issued or required, except for very limited areas, until the 21st, when a disturbance of considerable intensity over the North Atlantic States and the lower St. Lawrence Valley was followed by a decided increase in pressure and a marked fall in temperature over Ontario and the Lake region and cold-wave warnings were ordered for New England, New York, Pennsylvania, New Jersey, Delaware, Maryland, and the District of Columbia. These warnings were fully verified.

During the 23d-24th a disturbance moved rapidly eastward over the Lake region and the Northeastern

States and it was followed by rapidly rising pressure and much colder weather, and cold-wave warnings were ordered for the Lake region, the Ohio Valley, Tennessee, the East Gulf States, northern New England, and northern and central New York. These warnings were only

partially verified.

During the last two days of the month there was marked activity in the movement of areas of low and of high pressure accompanied by marked fluctuations in temperature over northern sections east of the Rocky Mountains. Cold-wave warnings were ordered for New England, New York, New Jersey, eastern Pennsylvania, and northern Michigan on the evening of the 28th and the morning of the 29th, and for northern Vermont and extreme northern New York on the evening of the 31st.

Frost warnings.—Frost warnings were issued on the following dates for portions of the South Atlantic and East Gulf States: 4th, 5th, 6th, 9th, 10th, 17th, 18th, 25th, 26th, and 31st. However, no frost warnings were issued for southern Florida during the month.—C. L.

Mitchell.

CHICAGO FORECAST DISTRICT.

With the exception of advices issued to the stock interests in Nebraska and Wyoming on the morning of December 2, no special warnings were ordered from the Chicago Forecast District until the middle of the month. Following the storm which necessitated the issuance of stock warnings on the above date, the weather throughout the district until the 15th was dominated by an area of high pressure which persisted over the Plateau region, thus causing generally fair weather with temperature considerably above normal.

By the 15th, however, a depression had formed over the middle Rockies with much colder weather and high pressure to the north and northwest. On the 15th and 17th, cold-wave warnings were issued for portions of the

northern Rocky Mountain region.

However, the first severe cold of the present season, accompanied by an area of strong high pressure, did not appear in the Northwest until the morning of the 18th and during the period from the 18th to 20th, spread slowly eastward and southward over the district, warnings being issued in advance in connection with its movement. Advices to stock interests in the northern Rocky Mountain region and the Plains States were issued on the 18th and 19th.

On the morning of the 22d another HIGH appeared in the Canadian Northwest and during the 23d and 24th moved eastward and southward, warnings during this period being issued only for the eastern portion of the district. On the 23d, stock advices were issued for Nebraska, Kansas, and southern Wyoming.

On the 28th cold-wave warnings were issued for eastern North Dakota and northern Minnesota, following the movement of a disturbance of moderate intensity across

the northern Lake region.—E. H. Haines.

NEW ORLEANS FORECAST DISTRICT.

On December 1, southeast storm warnings were displayed from Port Arthur to Velasco, Tex., and smallcraft warnings from Velasco to Brownsville, because of squally conditions in a trough of low pressure which extended from the upper Mississippi Valley to Texas. Another depression was centered over the Texas Panhandle on the p. m. map of the 2d and southeast storm warnings were ordered on the east coast of Texas. A large high-pressure area was moving down over Texas on the p. m. of the 3d, and northwest storm warnings were ordered for the Texas coast, Port Arthur to Velasco. These warnings were verified.

On the morning of the 8th, northwest storm warnings were displayed from Port Arthur to Velasco and smallcraft warnings on the remainder of the Texas coast because of an area of high pressure advancing southeast-

ward in the rear of a disturbance over Louisiana. Fresh winds prevailed during the day.

Small-craft warnings were displayed on the Louisiana and Texas coasts at 8:20 a. m. (Central Time), on the 17th, for strong northwest winds diminishing at night. The wind was already strong at the time the warning was

issued and diminished during the afternoon.
Small-craft warnings were displayed on the Texas coast on the 23d, and northwest storm warnings were issued for the east coast of Texas at night on the 23d. The next morning the storm warning was extended over the remainder of the Texas coast and small-craft warnings were displayed on the Louisiana coast. Winds occurred as forecast.

Small-craft warnings were displayed on the Texas

coast on the 31st and were justified.

Advices were issued on the 8th, 17th, and 25th, to interests represented in Tampico, Mexico, for strong northerly winds to moderate gales, and on the 25th for

Progreso, Mexico.

Cold-wave warnings were issued at 8:40 p. m. of the 2d, for northwestern Arkansas, Oklahoma, and northern Texas, and were repeated next morning except for the northern portion of west Texas. The warning was fully verified in Oklahoma and at Abilene, Tex., and a decided fall in temperature occurred in the remainder of the territory warned.

Cold-wave warnings issued at 8:40 a. m. of the 16th, for Oklahoma and northwestern Texas, and on the 17th

for Port Arthur, Tex., were justified.

Cold-wave warnings issued 8:45 p. m. on the 18th, for Oklahoma, were repeated and extended on the 19th to northwestern Arkansas and the northwest portion of east Texas, were repeated again at 8 p. m.; and on the 20th they were repeated, 9 a. m., and extended over Arkansas and the northern portion of east Texas; a coal wave occurred in Oklahoma, and much colder prevailed in other portions of the district covered by warnings.